Hi-Speed Industrial Service
7030 Ryburn Dr
Millington, Tn 38053
901-873-5300

AC Recondition Repair Report

FolderID: 99295
FormID: 12662794

Jacksonville Waste Water
248 Cloverdale Road
Jacksonville, AR 72076

Priorities Found: **1 - High** **4 - Good**

General

1.	Job Number	**99295**
2.	Report Date	**01/25/2022**
3.	Customer	**Jacksonville Wastewater**

Name Plate Information

4.	Manufacturer	**Baldor**	P5






5.	Model *SPEC# A36C-0000000045*	**ECP4316T**
6.	Serial Number	**A2104012056**
7.	Horsepower	**75**
8.	KW	
9.	Volts	**460**
10.	Amps	**86**
11.	RPM	**1780**
12.	Frame	**365T**
13.	Enclosure	**TEFC**

14.	Cycles	**60**	
15.	Phase	**3**	
16.	Service Factor	**1.15**	
17.	Motor Mount Position		

Initial Inspection

18.	Number of Leads	**9**	
19.	Lead Length	**11 Inches**	P20

20.	Lead Size		
21.	Lead Condition		
22.	Lead Markings	**1-9**	
23.	Lug Size, Condition, and Type		
24.	Winding RTD's		
25.	Winding Rtd's Condition		
26.	Shaft Run Out		
27.	Does Shaft Turn Freely	**yes**	
28.	Does Shaft Have Visible Damage		
29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination		
32.	Frame Condition		
33.	Fan Condition	**(P) Pass**	
34.	Broken or missing components		

Initial Electric Test

35.	Resistance to Ground		
36.	Winding Resistance 1-2		
37.	Winding Resistance 2-3		
38.	Winding Resistance 1-3		
39.	Resistive Imbalance		
40.	Hi-Pot		

41. Surge Test **(P) Pass** P58

42. Stator Condition P65

43. Failure Location

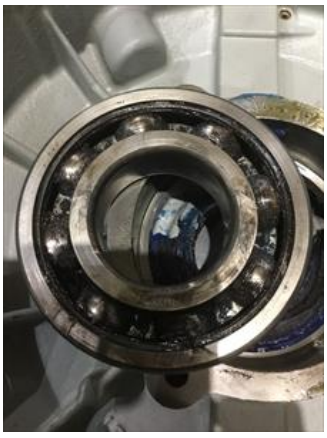
Initial Rotor Inspection

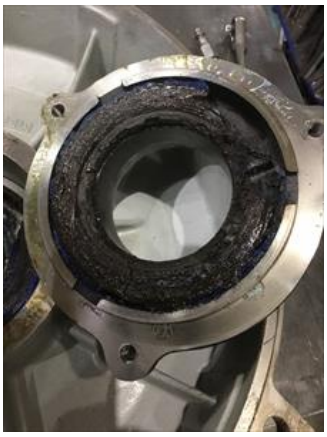
44.	Rotor Type	**squirrel cage laminate**	P4

45.	Air Gap <10% Variation		
46.	Number of Rotor Bars		
47.	Number of Broken Rotor Bars	**0**	
48.	Growler Test	**(P) Pass**	
49.	Rotor Condition	**(P) Pass**	

Mechanical Inspection

50.	Bearing Manufacture	**SKF**	
51.	Bearing DE Size		P15



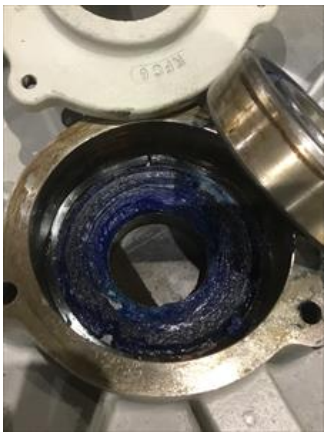


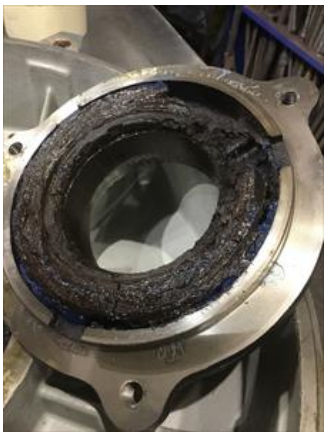
52.	Bearing DE Type	**regular ball bearing**	
53.	DE Bearing Qty.	**1**	

54.	Bearing ODE Size		P43

55.	Bearing ODE Type		P53

56.	ODE Bearing Qty.	**1**	
57.	Insulated Bearing	**no**	
58.	Lubrication Type	**grease**	
59.	Grease Condition	**(F) Fail**	P74





60.	Bearing Retainers		P80

61.	Shaft Grounding Device	**(NA) Not Applicable**	
62.	DE Seal		P86

63.	DE Seal Type/Size		
64.	ODE Seal		
65.	ODE Seal Type/Size		

Root Cause of Failure

66.	Component Failure	**D.E. shaft bearing journal worn beyond limits**	P2

67. Cause of Failure

D.E. Shaft bearing journal worn out of limits.

68. Comments

69.	Service Technician	**Terrence. Holland**

Machine Fit Inspection Report

70.	Shaft Run Out	
71.	Initial Shaft Run Out	"
72.	Final Shaft Run Out	"
73.	DE Bearing Shaft Fit	
74.	DE Initial Shaft Bearing Fit Size 1	
75.	DE Initial Shaft Bearing Fit Size 2	
76.	DE Initial Shaft Bearing Fit Size 3	
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
80.	ODE Bearing Shaft Fit	
81.	ODE Initial Shaft Bearing Fit Size 1	
82.	ODE Initial Shaft Bearing Fit Size 2	
83.	ODE Initial Shaft Bearing Fit Size 3	
84.	ODE Finial Shaft Bearing Fit Size 1	
85.	ODE Finial Shaft Bearing Fit Size 2	
86.	ODE Finial Shaft Bearing Fit Size 3	
87.	DE Air Seal Shaft Fit	
88.	DE Initial Air Seal Shaft Size	
89.	DE Final Air Seal Shaft Size	
90.	ODE Air Seal Shaft Fit	
91.	ODE Initial Air Seal Shaft Size	
92.	ODE Final Air Seal Shaft Size	
93.	DE Endbell Fit	
94.	DE Initial Endbell Fit Size 1	
95.	DE Initial Endbell Fit Size 2	
96.	DE Initial Endbell Fit Size 3	
97.	DE Final Endbell Fit Size 1	
98.	DE Finial Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Finial Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	
105.	ODE Initial Endbell Fit Size 1	
106.	ODE Initial Endbell Fit Size 2	
107.	ODE Initial Endbell Fit Size 3	
108.	ODE Final Endbell Fit Size 1	
109.	ODE Final Endbell Fit Size 2	
110.	ODE Final Endbell Fit Size 3	

111.	ODE Endbell Fit Insulated
112.	ODE Endbell Air Seal Fit
113.	ODE Initial Endbell Seal Fit Size
114.	ODE Finial Endbell Seal Fit Size
115.	Foot Flatness
116.	Foot Condition
117.	Flange Condition
118.	Service Technician

Balancing Report

119.	Balance Type
120.	Balance Operating Speed
121.	Start Left End
122.	Start Right End
123.	Balancing Specification
124.	Finish Left End
125.	Finish Right End
126.	Service Technician

Assembly and Final Test

127.	Meggar Testing Reading
128.	Surge Test
129.	Hi-Pot
130.	Winding Resistance 1-2
131.	Winding Resistance 2-3
132.	Winding Resistance 1-3
133.	Test Run Voltage Phase A
134.	Test Run Amps A
135.	Test Run Voltage Phase B
136.	Test Run Amps B
137.	Test Run Voltage Phase C
138.	Test Run Amps C
139.	DE Horizontal Vibration Reading
140.	DE Vertical Vibration Reading
141.	DE Axial Vibration Reading
142.	ODE Horizontal Vibration Reading
143.	ODE Vertical Vibration Reading
144.	ODE Axial Vibration Reading
145.	Ambient Temp at start of Test Run
146.	Temp at 5 minutes
147.	Temp at 10 minutes
148.	Temp at 15 minutes
149.	Temp at 20 minutes
150.	Temp at 25 minutes
151.	Temp at 30 minutes
152.	Temp at 35 minutes
153.	Temp at 40 minutes
154.	Temp at 45 minutes
155.	Temp at 50 minutes
156.	Temp at 55 minutes

157.	Temp at 60 minutes
158.	Motor Paint
159.	Service Technician